

**BIODEGRADABLE FILMS HAVING ENHANCED DUCTILITY  
AND BREATHABILITY**

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**ABSTRACT OF THE INVENTION**

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The present invention is directed to biodegradable films and biodegradable precursor films having enhanced breathability and ductility. The films contain a biodegradable polymer and a water soluble polymer. The biodegradable polymer is preferably polycaprolactone, and the water soluble polymer is preferably polyethylene oxide. The precursor film of the present invention preferably has a water vapor transmission rate of at least 500 g/24hrs/m<sup>2</sup>. The biodegradable film of the present invention preferably has a water vapor transmission rate of at least 2500 g/24hrs/m<sup>2</sup>.

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